

APPARATUS AND METHOD FOR REAL-TIME POWER DISTRIBUTION MANAGEMENT

ABSTRACT OF THE DISCLOSURE

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One embodiment disclosed relates to an apparatus for supplying
redundant power to a plurality of computer systems. The apparatus includes at
least one bus bar, a plurality of power supplies each supplying power at a same
voltage level, a plurality of power switches, and a power supply management
10 controller. Power inputs of the computer systems are connected to the at least
one bus bar. The power supplies are selectively connected to the at least one
bus bar using the power switches. The power supply management controller
controls the power switches such that the power is supplied redundantly to the
computer systems.

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